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IPEDS Statutory Requirements, Data Collection Procedures, Universe, Levels of Analysis, and Missing Data

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Module Objectives

- Describe the statutory requirements for reporting Integrated Postsecondary Education Data System (IPEDS) data
- Describe the IPEDS data collection process
- Describe the IPEDS universe
- · Describe the technique used for missing data



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Statutory Requirements for Reporting IPEDS Data

- Higher Education Act of 1965 Title IV
 - IPEDS survey completion mandatory for institutions that receive or apply for Federal financial assistance
- Civil Rights Act of 1964 Title VI / Education Amendments of 1972 Title IX
 - Collection and reporting of racial/ethnic data mandatory for institutions that receive or apply for Federal financial assistance
- Carl D. Perkins Vocational Education Act
 - Collection of racial/ethnic data mandatory for vocational programs
- Civil Rights Act of 1964 Title VII, Equal Employment Opportunity Act of 1972 Amendment
 - Reporting of institutional staff racial/ethnic and gender data in odd years mandatory for institutions with 15+ full-time employees
- National Education Statistics Act of 1994
 - IPEDS completion is voluntary if not required on basis of requirements listed above

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IPEDS Data Collection Process: Preliminary Steps

- Data entered by institutional respondents into IPEDS Data Collection System
- 2. Edit checks run on data submitted by respondents
- 3. Respondents resolve any issues identified during edit checks
- 4. Respondents "lock" the survey data after data errors corrected
- 5. Data migrated to Collection Level Center for quality control (QC) procedures
- 6. QC results reviewed and accepted
- 7. Data moved to 'Preliminary Release Data' section of IPEDS website for access by public
 - Imputed data for nonresponding institutions not included in Preliminary Data
 - Preliminary Release Data should not be used to provide aggregate estimates
- 8. First Look online publication released, based on Preliminary Data



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IPEDS Data Collection Process: Provisional and Final Steps

- 9. Additional QC procedures undertaken and data imputed for nonresponding institutions
- Data moved to 'Provisional Release Data' section of IPEDS website for access by public
- 11. First Look publication reissued based on Provisional Data
- 12. Institutions may submit data revisions in the subsequent IPEDS data collection year
- 13. Revisions undergo QC procedures
- 14. Final data moved to 'Final Release Data' section of IPEDS website for access by public
- 15. First Look publication NOT reissued based on Final Data

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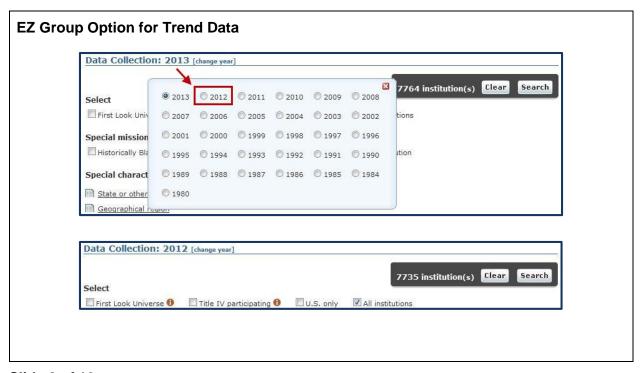
IPEDS Universe and Trend Data

- IPEDS universe
 - All institutions that fall under the statutory requirements for reporting IPEDS data
 - All institutions that respond in a given Collection Year (e.g., 2014-15)
 - Different institutions from year to year
- Using EZ Group option to analyze trends over time
 - Allows you to modify the universe for each year of interest to pull only institutions that reported in a given Collection Year when downloading multiple years of data





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IPEDS Trend Generator Tool

- Generates tables and graphs to answer common questions about institutional trends
- Data can be filtered by institutional sector, degree-granting status, control, level, state, Carnegie classification, and geographic region





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Imputation

- IPEDS data are imputed when:
 - Institution is a nonrespondent complete survey component is missing
 - Institution has an item nonresponse item within a survey component is missing
- All items in each survey component are eligible for imputation, except:
 - Only cost of attendance and other institutional charges are eligible within Institutional Characteristics component
- Imputation:
 - Allows IPEDS data files to be used to create national totals
 - Statistical technique for estimating missing data
 - Nearest Neighbor procedure substitutes a similar responding institution's data for the nonrespondent's missing items based on key statistics of interest
- Additional information in Methodology Reports and First Look Reports

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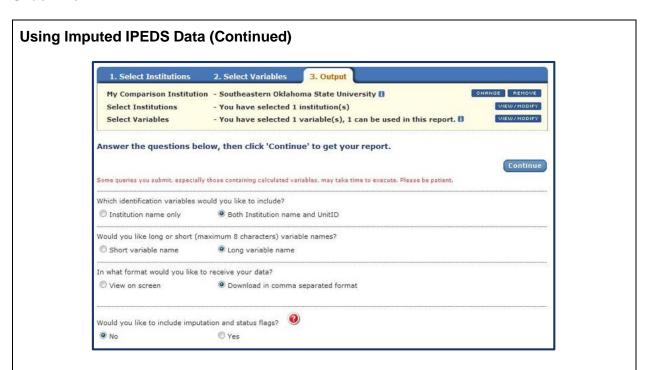
Using Imputed IPEDS Data

When accessing IPEDS data from the IPEDS website:

- Download entire survey data file
 - o Imputed values included in final data file
- Other options
 - Select option to include imputation and status flags in the Output section
 - o Imputation flags indicate a particular variable was imputed
 - Status flags identify an institution's progress toward satisfying reporting requirements (e.g., no data, edited, locked, complete)



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Module Summary and Resources

Summary

- Described the statutory requirements for reporting IPEDS data
- Described the IPEDS data collection process
- Described the IPEDS universe
- Described the missing data and imputation flags used in IPEDS

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Resources

- Statutory Requirements for Reporting IPEDS Data
- IPEDS Trend Generator
- Methodology Reports
- First Look Reports